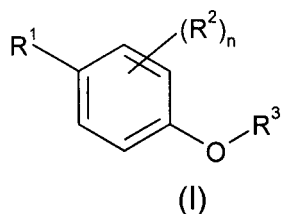


## Amendments to the Claims

This listing of claims will replace all prior versions and listings of the claims in the application:

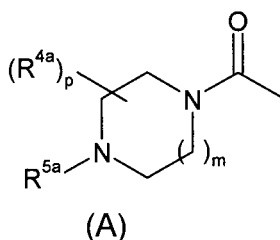
What is claimed is:

1. (Currently Amended) A compound of formula (I) or a pharmaceutically acceptable salt thereof:



wherein:

R<sup>1</sup> represents a group of formula (A):



wherein R<sup>4a</sup> represents C<sub>1-6</sub> alkyl, oxo, aryl, heteroaryl or heterocyclyl;

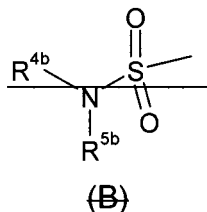
R<sup>5a</sup> represents hydrogen, -C<sub>1-6</sub> alkyl, -C<sub>1-6</sub> alkylC<sub>1-6</sub> alkoxy, -C<sub>1-6</sub> alkoxy carbonyl, -C<sub>3-8</sub> cycloalkyl, -aryl, -heterocyclyl, heteroaryl, -C<sub>1-6</sub> alkyl-aryl, -CH(aryl)(aryl), -C<sub>1-6</sub> alkyl-C<sub>3-8</sub> cycloalkyl, -C<sub>1-6</sub> alkyl-heteroaryl or -C<sub>1-6</sub> alkyl-heterocyclyl,

wherein R<sup>5a</sup> may be optionally substituted by one or more substituents which may be the same or different, and which are selected from the group consisting of halogen, hydroxy, cyano, nitro, oxo, haloC<sub>1-6</sub> alkyl, polyhaloC<sub>1-6</sub> alkyl, haloC<sub>1-6</sub> alkoxy, polyhaloC<sub>1-6</sub> alkoxy, C<sub>1-6</sub> alkyl, C<sub>1-6</sub> alkoxy, C<sub>1-6</sub> alkylthio, C<sub>1-6</sub> alkoxyC<sub>1-6</sub> alkyl, C<sub>3-7</sub> cycloalkylC<sub>1-6</sub> alkoxy, C<sub>1-6</sub> alkanoyl, C<sub>1-6</sub> alkoxy carbonyl, C<sub>1-6</sub> alkylsulfonyl, C<sub>1-6</sub> alkylsulfinyl, C<sub>1-6</sub> alkylsulfonyloxy, C<sub>1-6</sub> alkylsulfonylC<sub>1-6</sub> alkyl, C<sub>1-6</sub> alkylsulfonamidoC<sub>1-6</sub> alkyl, C<sub>1-6</sub> alkylamidoC<sub>1-6</sub> alkyl or a group NR<sup>15a</sup>R<sup>16a</sup>, -CONR<sup>15a</sup>R<sup>16a</sup>, -NR<sup>15a</sup>COR<sup>16a</sup>, -NR<sup>15a</sup>SO<sub>2</sub>R<sup>16a</sup> or -SO<sub>2</sub>NR<sup>15a</sup>R<sup>16a</sup>, wherein R<sup>15a</sup> and R<sup>16a</sup> independently represent hydrogen, C<sub>1-6</sub> alkyl, aryl or together with the nitrogen to which they are attached may form a nitrogen containing heterocyclyl group;

m is 1 or 2;

p is 0, 1, 2 or 3, or when p represents 2, said  $R^{4a}$  groups may instead form a bridging group consisting of one or two methylene groups;

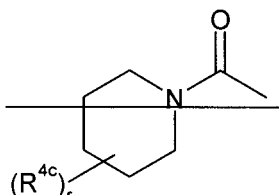
or  $R^1$  represents a group of formula (B):



wherein  $NR^{4b}R^{5b}$  represents an N-linked ~~heterocyclyl, heterocyclyl- $X^b$ -aryl, heterocyclyl- $X^b$ -heteroaryl, heterocyclyl- $X^b$ -heterocyclyl, heteroaryl, heteroaryl- $X^b$ -aryl, heteroaryl- $X^b$ -heteroaryl or heteroaryl- $X^b$ -heterocyclyl group;~~ wherein said aryl, heteroaryl and heterocyclyl groups of  $NR^{4b}R^{5b}$  may be optionally substituted by one or more substituents which may be the same or different, and which are selected from the group consisting of halogen, hydroxy, cyano, nitro, oxo, halo $C_{1-6}$ -alkyl, polyhalo $C_{1-6}$ -alkyl, halo $C_{1-6}$ -alkoxy, polyhalo $C_{1-6}$ -alkoxy,  $C_{1-6}$ -alkyl,  $C_{1-6}$ -alkoxy, aryl $C_{1-6}$ -alkoxy,  $C_{1-6}$ -alkylthio,  $C_{1-6}$ -alkoxy $C_{1-6}$ -alkyl,  $C_{3-7}$ -cycloalkyl $C_{1-6}$ -alkoxy,  $C_{1-6}$ -alkanoyl,  $C_{1-6}$ -alkoxycarbonyl, aryl $C_{1-6}$ -alkyl, heteroaryl $C_{1-6}$ -alkyl,  $C_{1-6}$ -alkylsulfonyl,  $C_{1-6}$ -alkylsulfinyl,  $C_{1-6}$ -alkylsulfonyloxy,  $C_{1-6}$ -alkylsulfonyl $C_{1-6}$ -alkyl, arylsulfonyl, arylsulfonyloxy, arylsulfonyl $C_{1-6}$ -alkyl, aryloxy,  $C_{1-6}$ -alkylsulfonamido $C_{1-6}$ -alkyl,  $C_{1-6}$ -alkylamido $C_{1-6}$ -alkyl, arylsulfonamido, arylaminosulfonyl, arylsulfonamido $C_{1-6}$ -alkyl, arylcarboxamido $C_{1-6}$ -alkyl, areyl $C_{1-6}$ -alkyl, aryl $C_{1-6}$ -alkanoyl, or a group  $NR^{15b}R^{16b}$ ,  $CONR^{15b}R^{16b}$ ,  $NR^{15b}COR^{16b}$ ,  $NR^{15b}SO_2R^{16b}$  or  $SO_2NR^{15b}R^{16b}$ , wherein  $R^{15b}$  and  $R^{16b}$  independently represent hydrogen or  $C_{1-6}$ -alkyl;

$X^b$  represents a bond, CO, NHCO or CONH;

or  $R^1$  represents a group of formula (C):

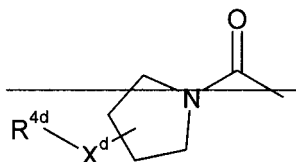


(C)

wherein  $R^{4e}$  represents  $C_{1-6}$  alkyl, OH, aryl or heterocyclyl, wherein said aryl and heterocyclyl groups may be optionally substituted by halogen,  $C_{1-6}$  alkyl,  $C_{1-6}$  alkoxy, cyano, amino, oxo, trifluoromethyl or an aryl group;

$r$  is 0, 1 or 2;

or  $R^1$  represents a group of formula (D):

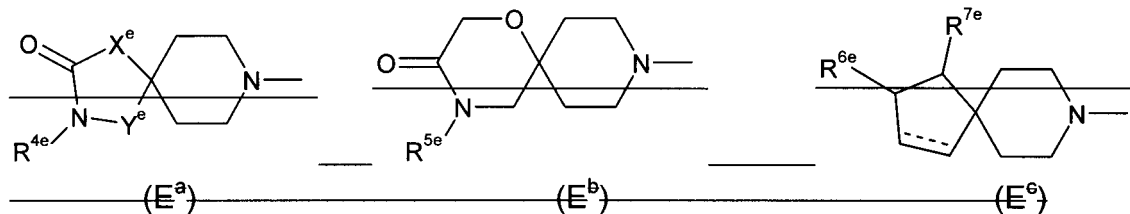


(D)

wherein  $R^{4d}$  represents aryl or heteroaryl wherein said aryl and heteroaryl groups may be optionally substituted by one or more substituents which may be the same or different, and which are selected from the group consisting of halogen,  $C_{1-6}$  alkyl,  $C_{1-6}$  alkoxy, cyano, amino or trifluoromethyl;

$X^d$  represents a bond or  $NHCO$ , such that when  $X^d$  represents  $NHCO$ , the group  $R^{4d}-X^d$  is attached at the 3-position of the pyrrolidinyl ring;

or  $R^1$  represents a group of formula  $CO-E$ , wherein  $E$  represents a group of formula  $E^a$ ,  $E^b$  or  $E^c$ :



wherein  $X^e$  represents O or  $N-R^{8e}$ ;

$Y^e$  represents  $C(HR^{9e})$  or  $C(=O)$ ;

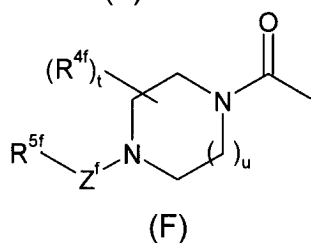
$R^{4e}$ ,  $R^{5e}$ ,  $R^{8e}$  and  $R^{9e}$  independently represent hydrogen,  $C_{1-6}$  alkyl, aryl, heteroaryl,  $C_{1-6}$  alkyl-aryl or  $C_{1-6}$  alkyl-heteroaryl;

$R^{6e}$  and  $R^{7e}$  independently represent hydrogen,  $C_{1-6}$  alkyl, aryl, heteroaryl,  $C_{1-6}$  alkyl-aryl,  $C_{1-6}$  alkyl-heteroaryl or  $R^{6e}$  and  $R^{7e}$  together with the carbon atoms to which they are attached may form a benzene ring;

$\equiv$  is a single or double bond;

wherein said aryl or heteroaryl groups of  $R^{4e}$ ,  $R^{5e}$ ,  $R^{6e}$ ,  $R^{7e}$ ,  $R^{8e}$  and  $R^{9e}$  may be optionally substituted by one or more substituents which may be the same or different, and which are selected from the group consisting of  $C_{1-6}$  alkyl,  $CF_3$ ,  $C_{1-6}$  alkoxy, halogen, cyano, sulfonamide or  $C_{1-6}$  alkylsulfonyl;

or  $R^1$  represents a group of formula (F):



wherein t is 0, 1 or 2;

u is 1 or 2;

$R^{4f}$  represents  $C_{1-6}$  alkyl or when t represents 2, said  $R^{4f}$  groups may instead form a bridging group consisting of one or two methylene groups;

$R^{5f}$  represents  $-C_{1-6}$  alkyl,  $-C_{1-6}$  alkyl $C_{1-6}$  alkoxy,  $-C_{3-8}$  cycloalkyl, aryl, heterocyclyl, heteroaryl,  $-C_{1-6}$  alkyl-aryl,  $-C_{1-6}$  alkyl- $C_{3-8}$  cycloalkyl,  $-C_{1-6}$  alkyl-heteroaryl,  $-C_{1-6}$  alkyl-heterocyclyl, -aryl-aryl, -aryl-heteroaryl, -aryl-heterocyclyl, -heteroaryl-aryl, -heteroaryl-heteroaryl, -heteroaryl-heterocyclyl, -heterocyclyl-aryl, -heterocyclyl-heteroaryl or -heterocyclyl-heterocyclyl;

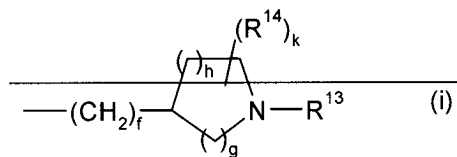
wherein  $R^{5f}$  may be optionally substituted by one or more substituents which may be the same or different, and which are selected from the group consisting of halogen, hydroxy, cyano, nitro, oxo, halo $C_{1-6}$  alkyl, polyhalo $C_{1-6}$  alkyl, halo $C_{1-6}$  alkoxy, polyhalo $C_{1-6}$  alkoxy,  $C_{1-6}$  alkyl,  $C_{1-6}$  alkoxy,  $C_{1-6}$  alkylthio,  $C_{1-6}$  alkoxy $C_{1-6}$  alkyl,  $C_{3-7}$  cycloalkyl $C_{1-6}$  alkoxy,  $C_{1-6}$  alkanoyl,  $C_{1-6}$  alkoxycarbonyl,  $C_{1-6}$  alkylsulfonyl,  $C_{1-6}$  alkylsulfinyl,  $C_{1-6}$  alkylsulfonyloxy,  $C_{1-6}$  alkylsulfonyl $C_{1-6}$  alkyl,  $C_{1-6}$  alkylsulfonamido $C_{1-6}$  alkyl,  $C_{1-6}$  alkylamido $C_{1-6}$  alkyl, arylsulfonyl, arylsulfonyloxy, aryloxy, arylsulfonamido, arylcarboxamido, aroyl, or a group  $NR^{15f}R^{16f}$ ,  $-CONR^{15f}R^{16f}$ ,  $-NR^{15f}COR^{16f}$ ,  $-NR^{15f}SO_2R^{16f}$  or  $-SO_2NR^{15f}R^{16f}$ , wherein  $R^{15f}$  and  $R^{16f}$  independently represent hydrogen or  $C_{1-6}$  alkyl or together form a heterocyclic ring;

$Z^f$  represents CO or  $SO_2$ ;

$R^2$  represents halogen,  $C_{1-6}$  alkyl,  $C_{1-6}$  alkoxy, cyano, amino or trifluoromethyl;

$n$  is 0, 1 or 2;

$R^3$  represents  $-(CH_2)_q-NR^{11}R^{12}$  or a group of formula (i):



wherein  $q$  is 2, 3 or 4;

$R^{11}$  and  $R^{12}$  independently represent  $C_{1-6}$  alkyl or together with the nitrogen atom to which they are attached represent an N-linked heterocyclic group selected from pyrrolidine, piperidine and homopiperidine optionally substituted by one or two  $R^{17}$  groups;

$R^{13}$  represents  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl or  $C_{1-4}$  alkyl- $C_{3-6}$  cycloalkyl;

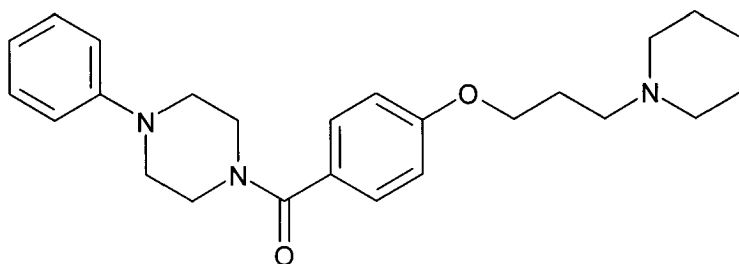
$R^{14}$  and  $R^{17}$  independently represents halogen,  $C_{1-6}$  alkyl, halo $C_{1-6}$  alkyl, OH, di $C_{1-6}$  alkylamino or  $C_{1-6}$  alkoxy;

$f$  and  $k$  independently represent 0, 1 or 2;

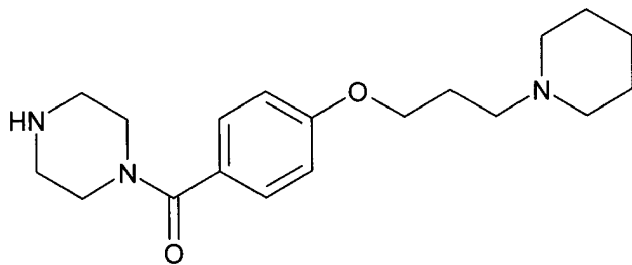
$g$  is 0, 1 or 2 and  $h$  is 0, 1, 2 or 3, such that  $g$  and  $h$  cannot both be 0; or solvates thereof.

2. (Currently Amended) A compound according to claim 1 which is a compound selected from the group consisting of

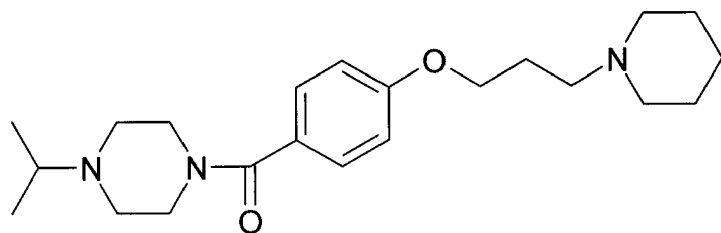
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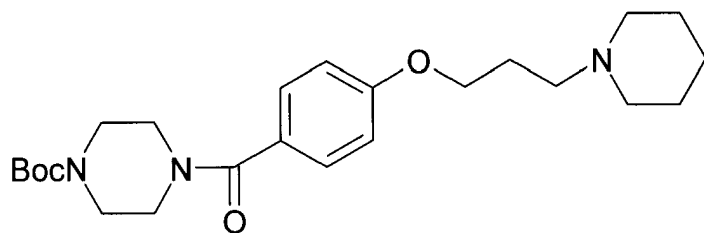
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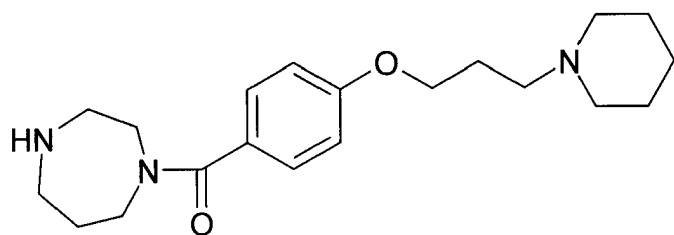
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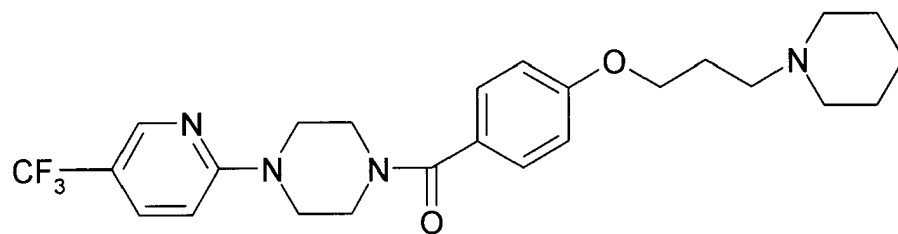
E4



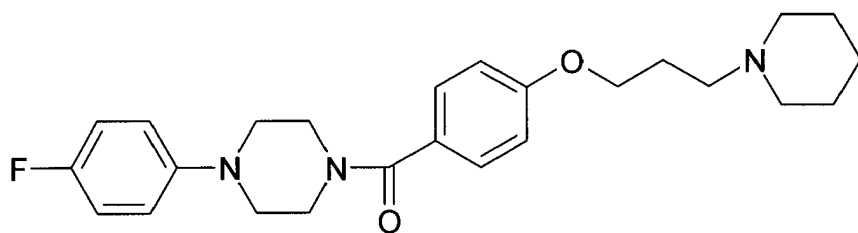
E5



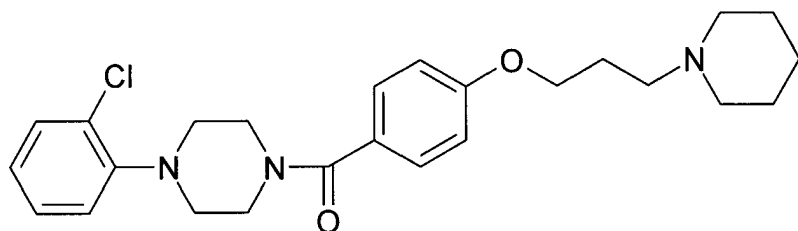
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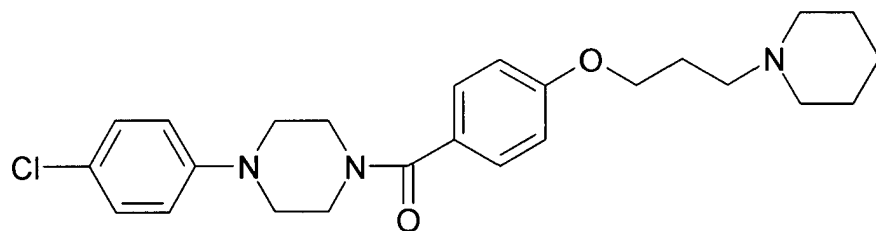
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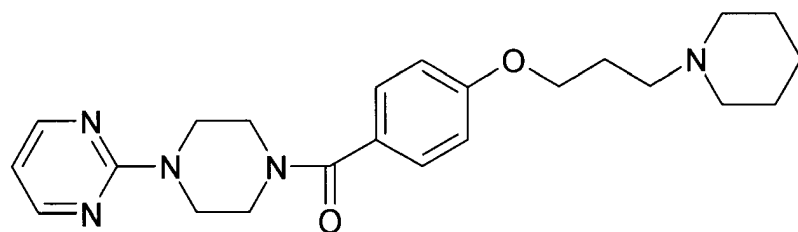
E8



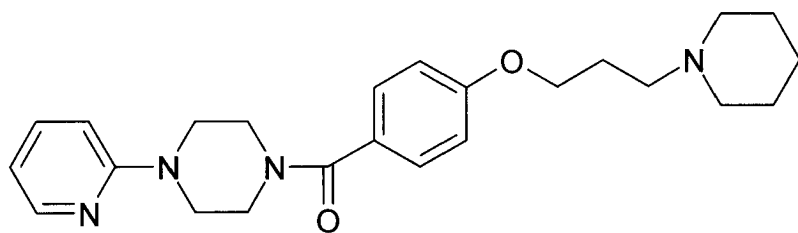
E9



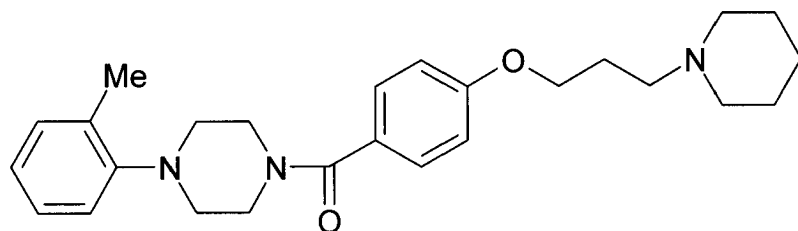
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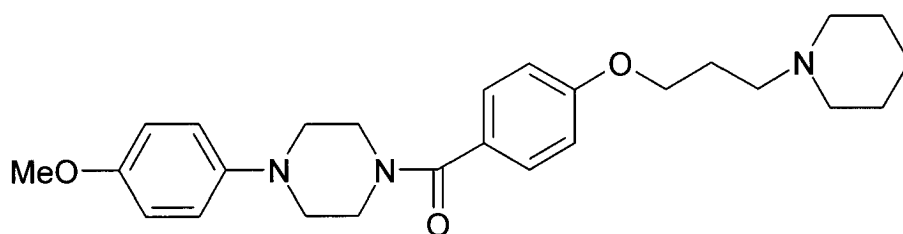
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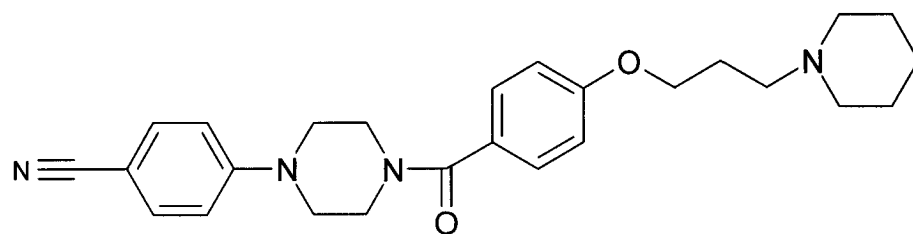
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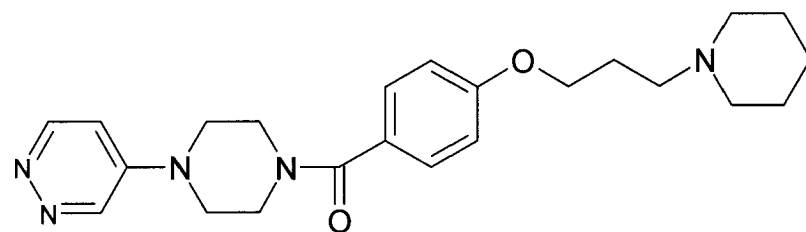
E13



E14

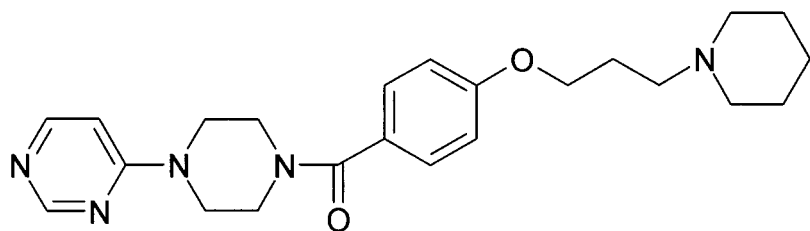


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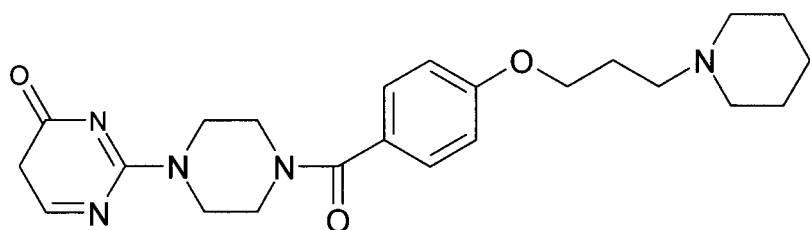




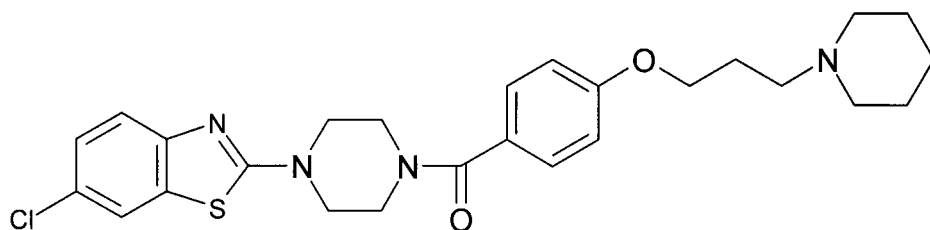
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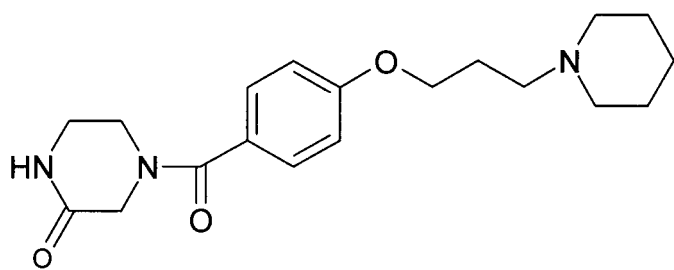
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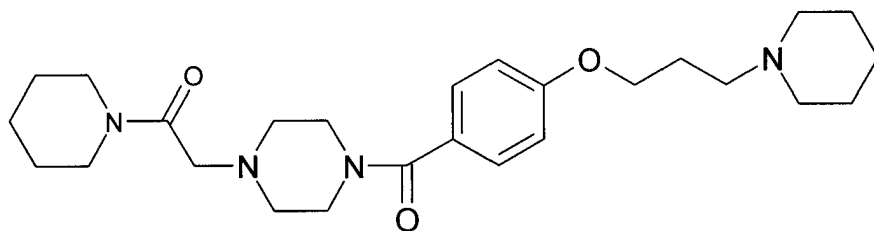
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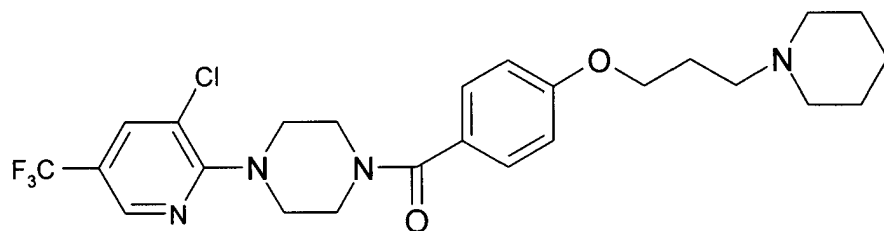
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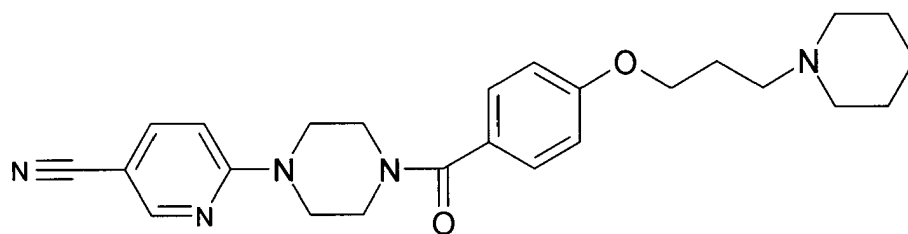
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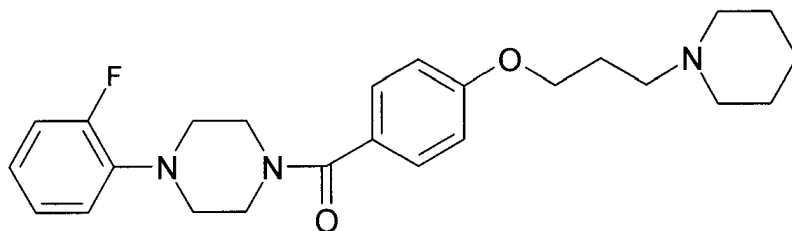
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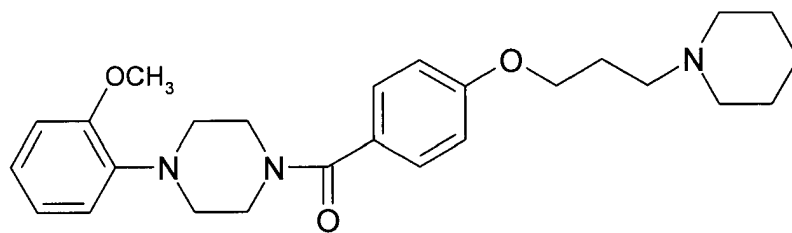
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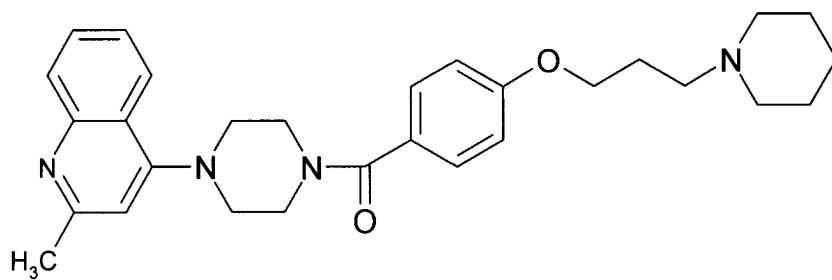
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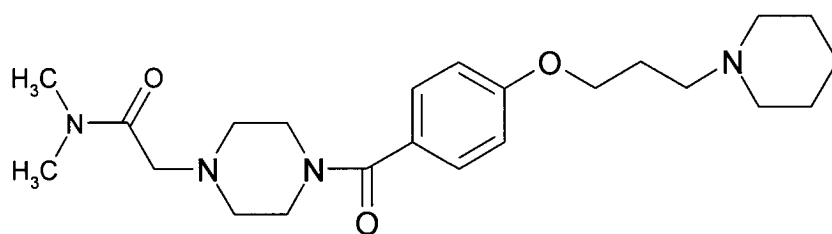
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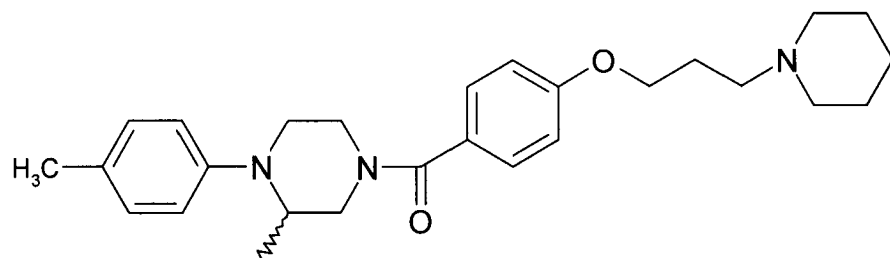
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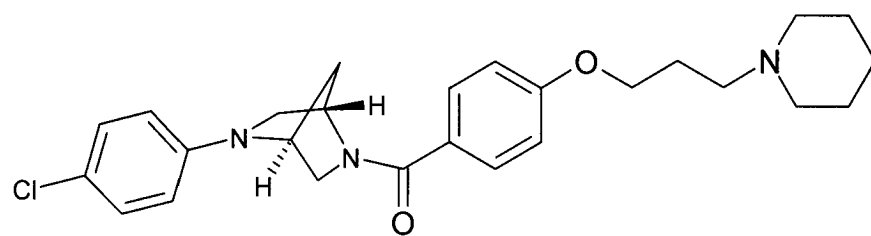
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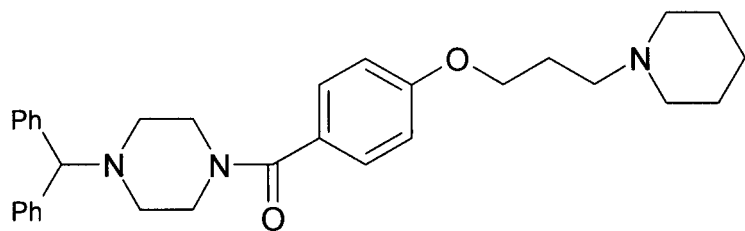
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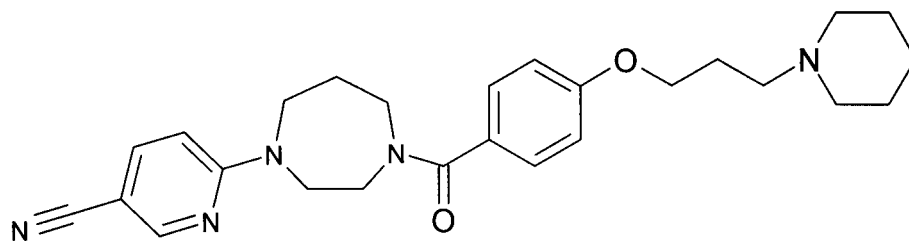
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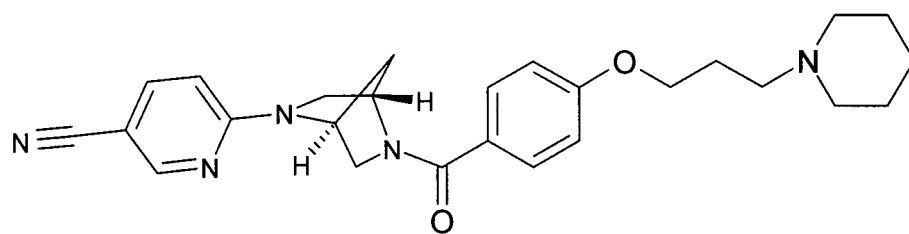
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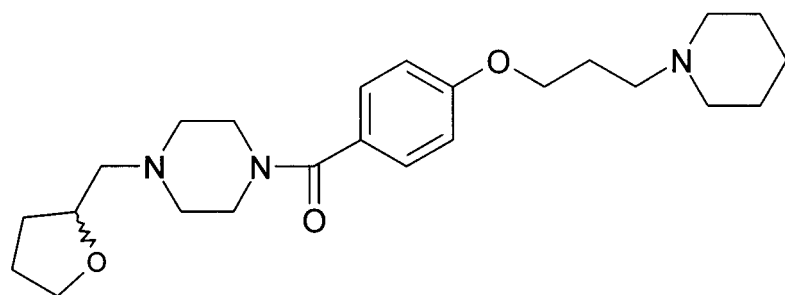
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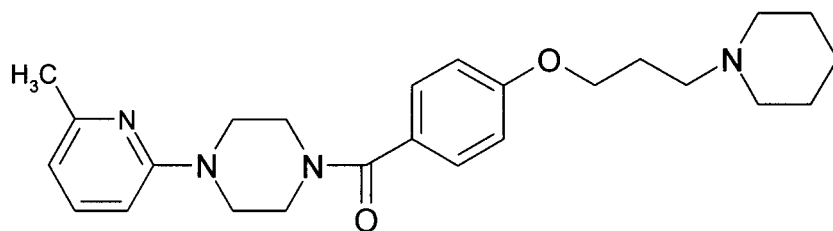
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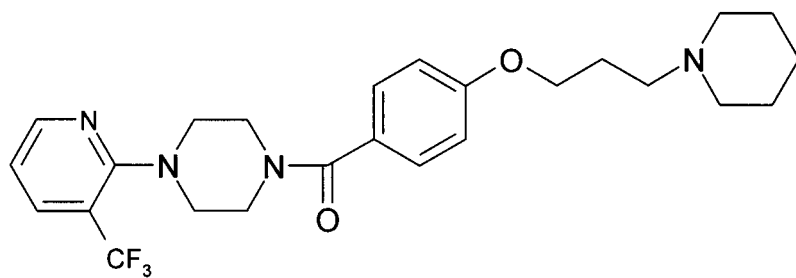
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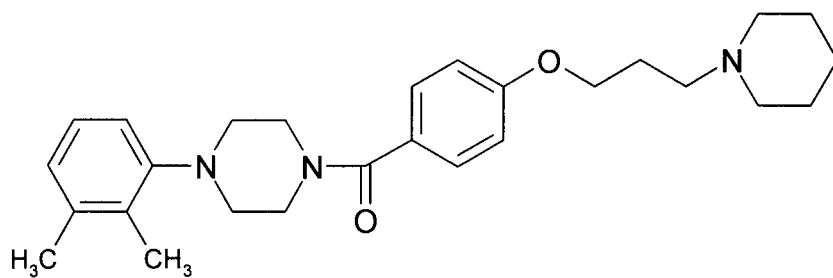
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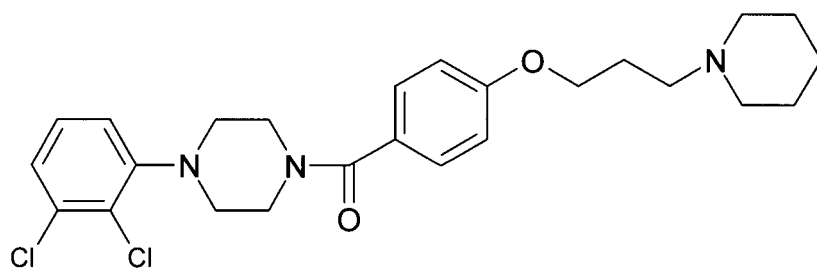
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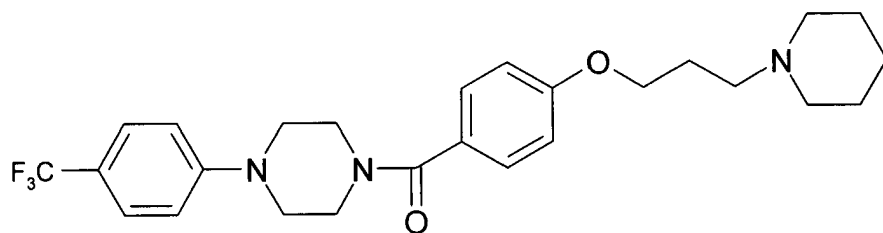
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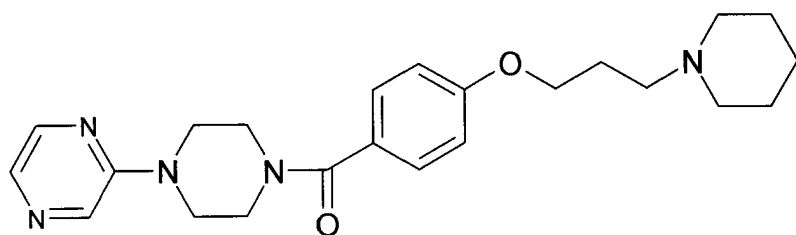
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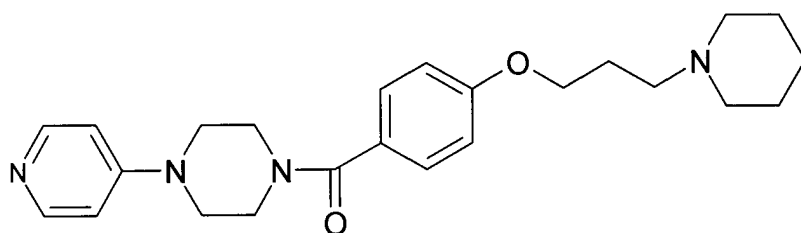
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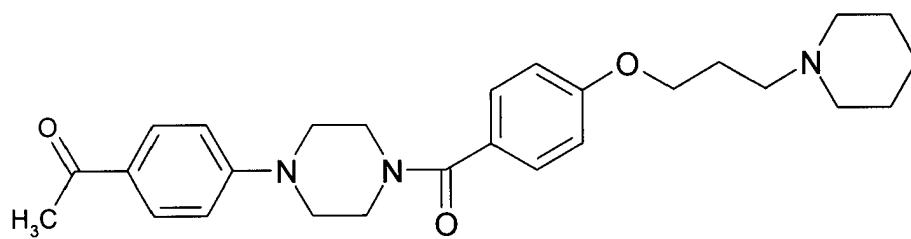
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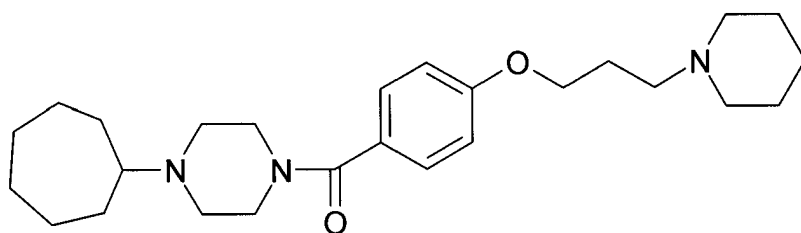
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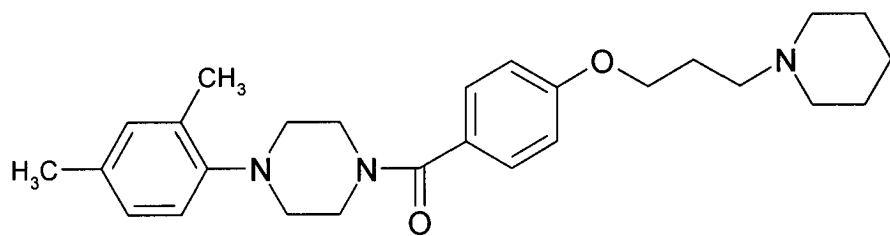
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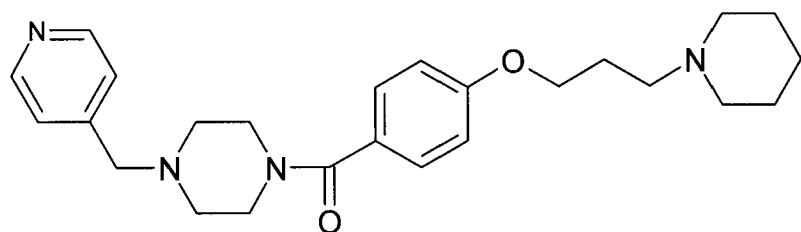
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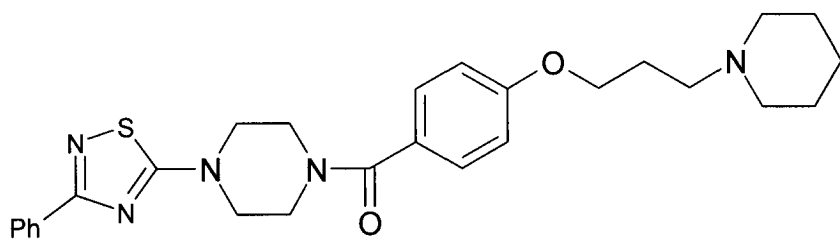
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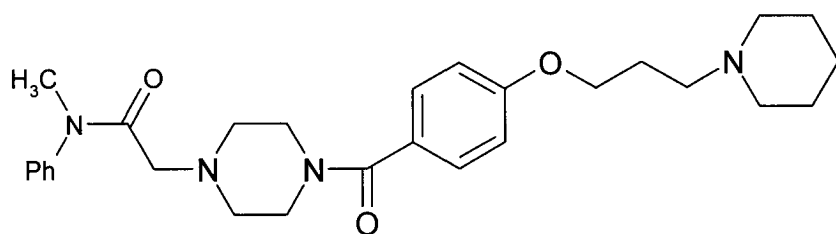
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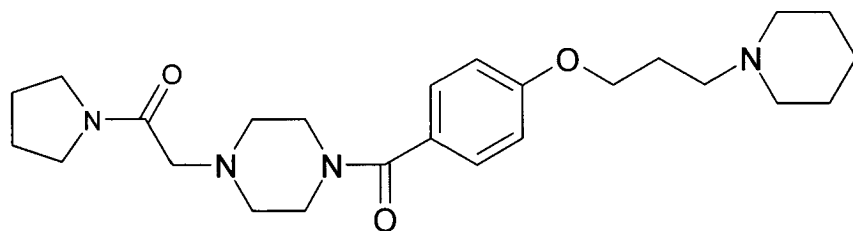
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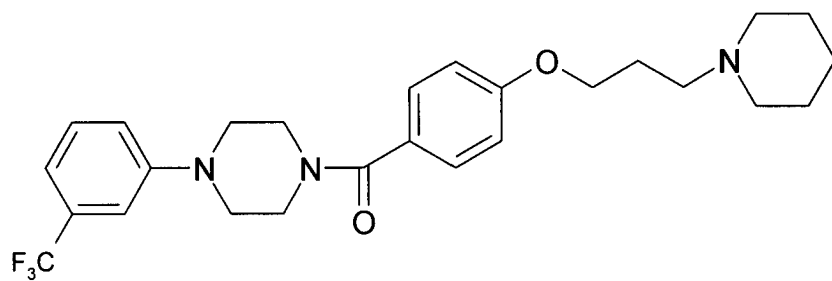
E45



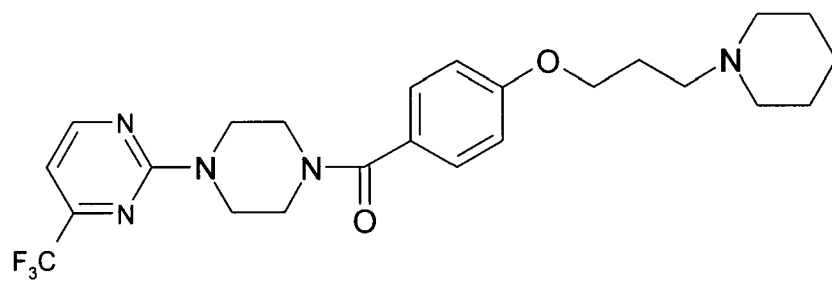
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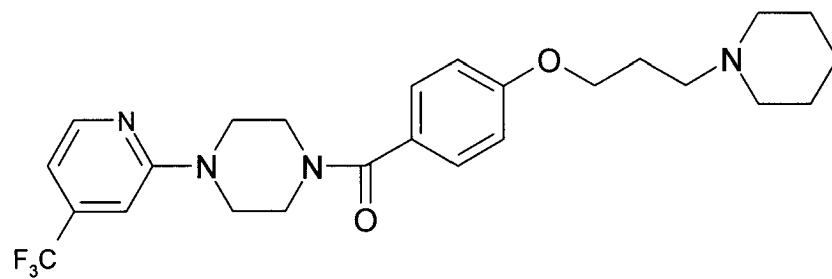
E47



E48

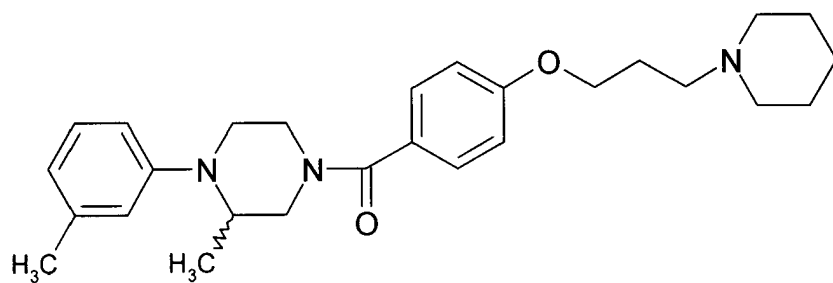


E49

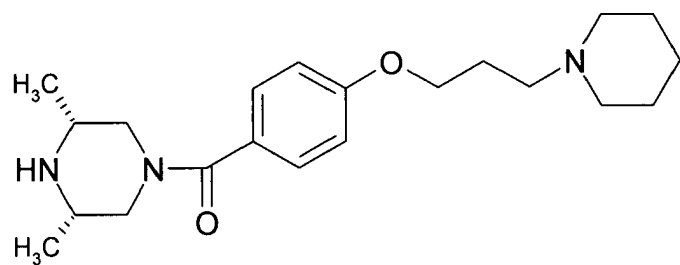




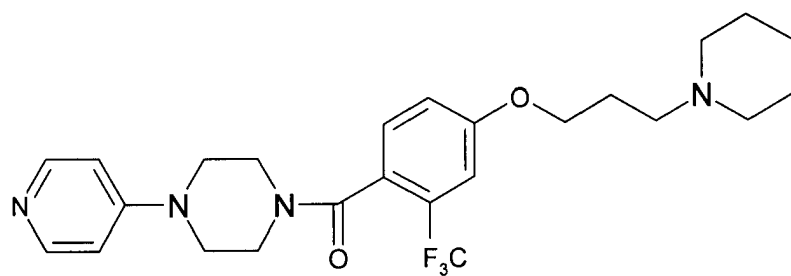
E50



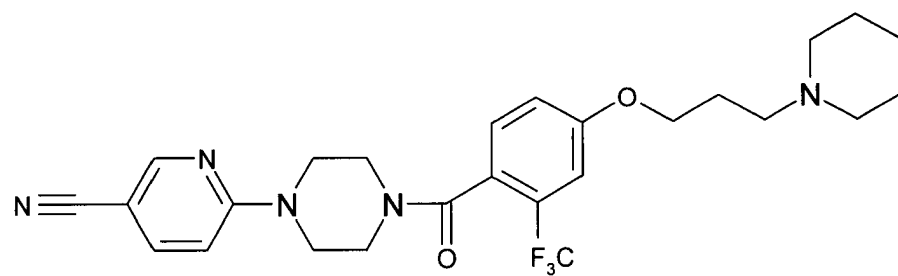
E51



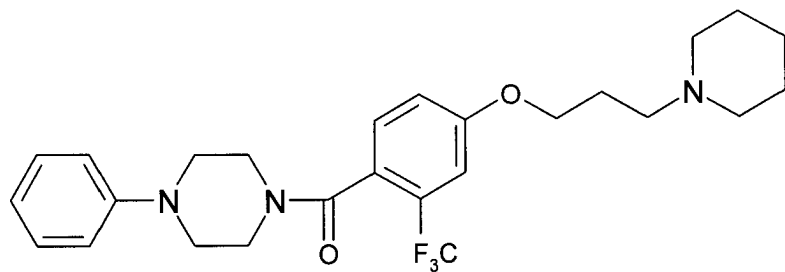
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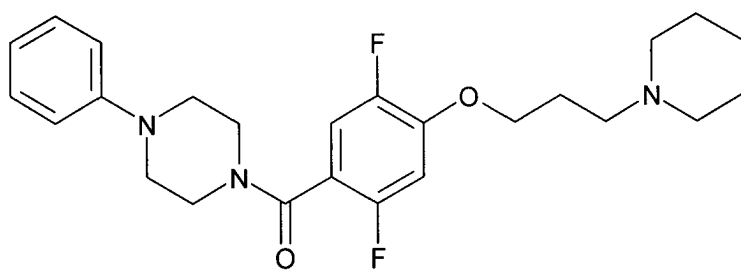
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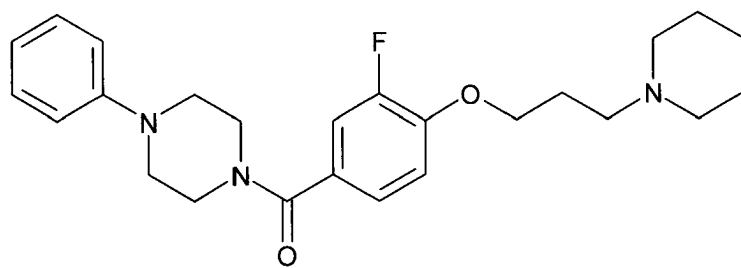
E54



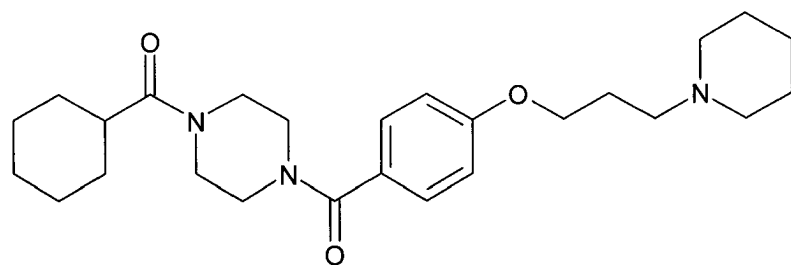
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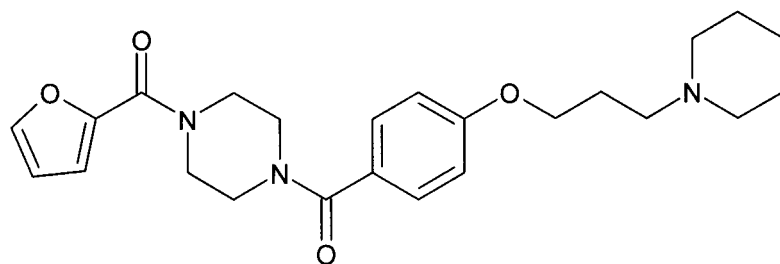
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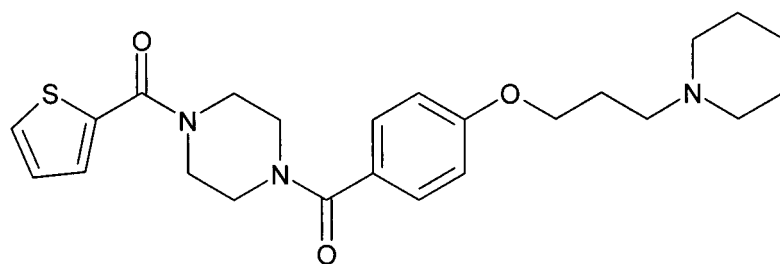
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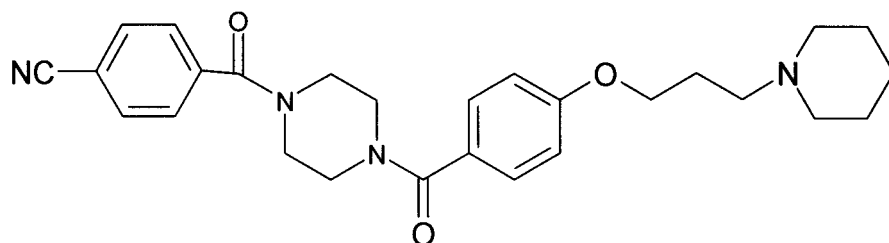
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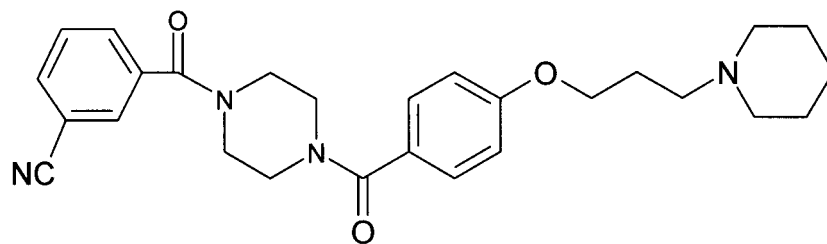
E59



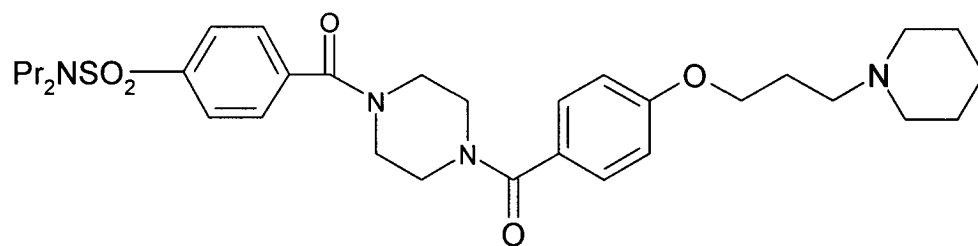
E60



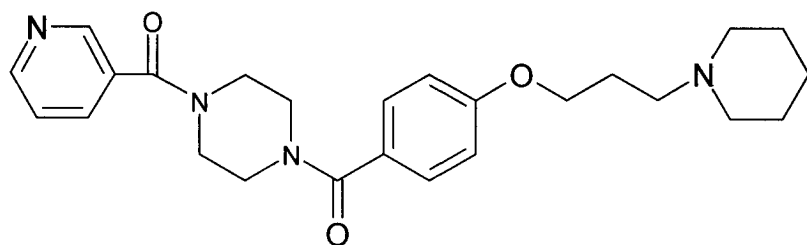
E61



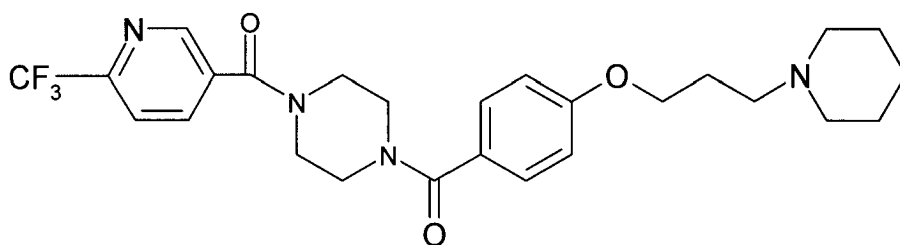
E62



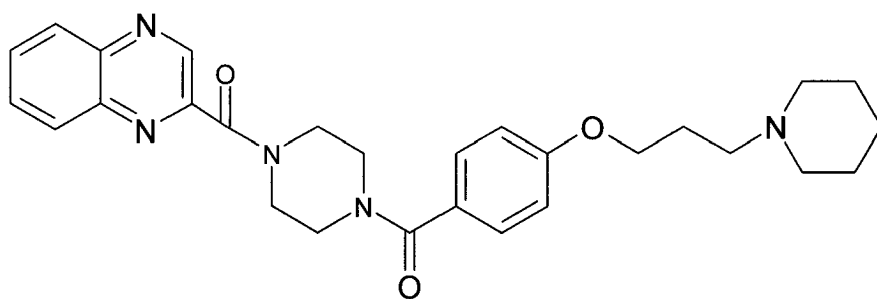
E63



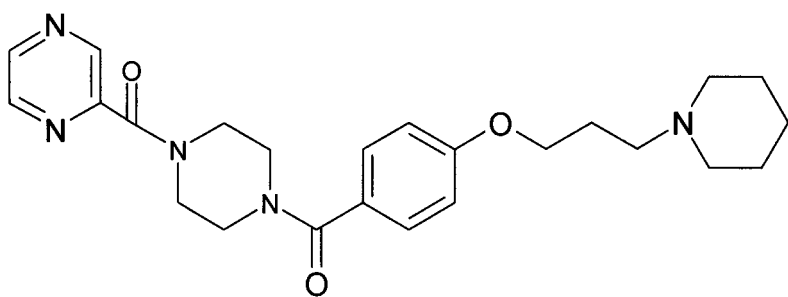
E64



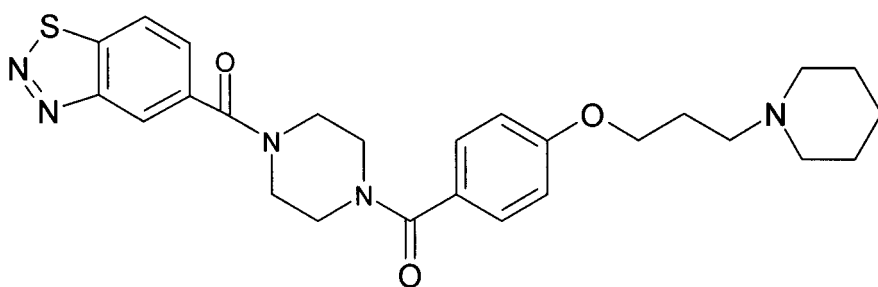
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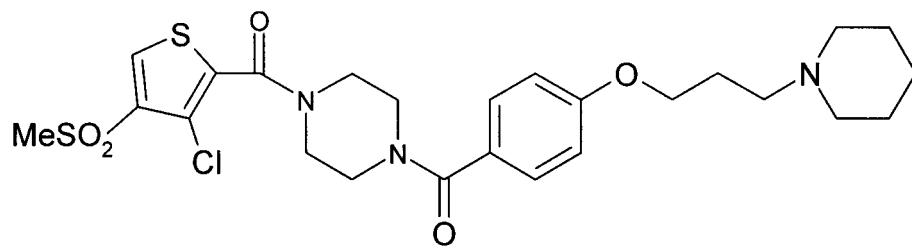
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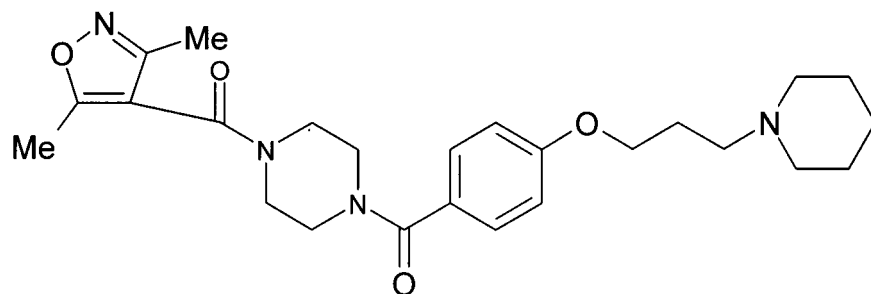
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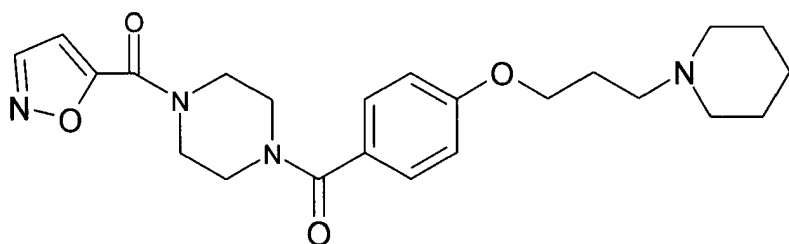
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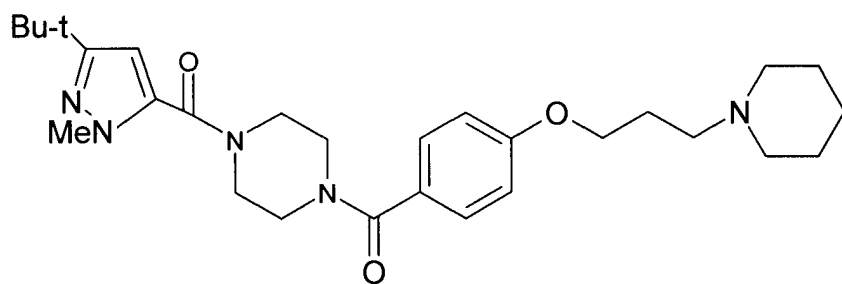
E69



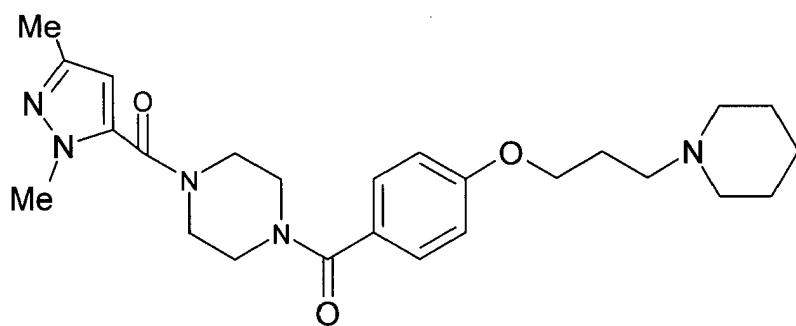
E70



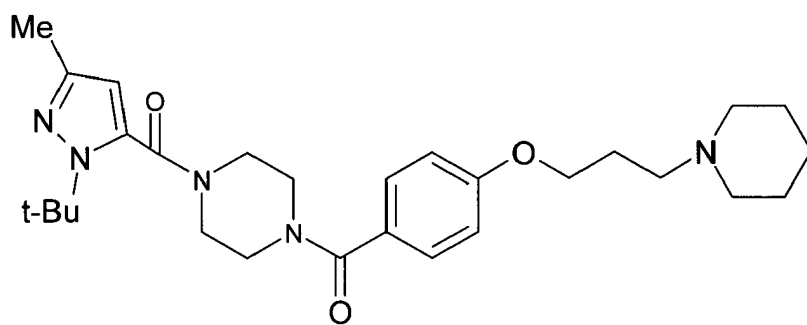
E71



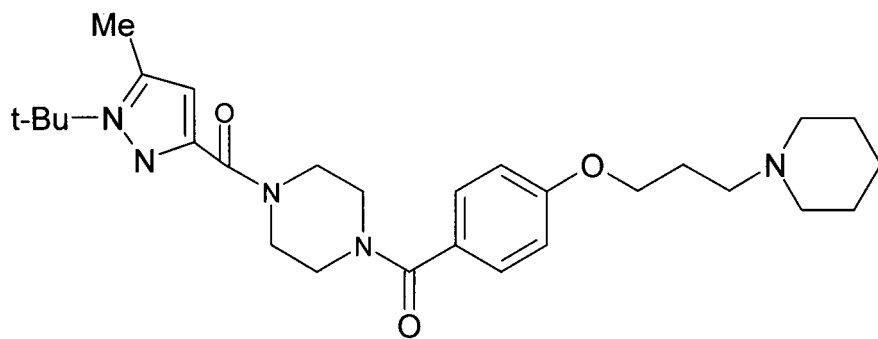
E72



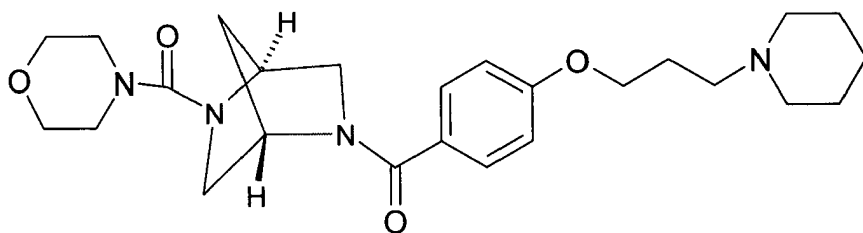
E73



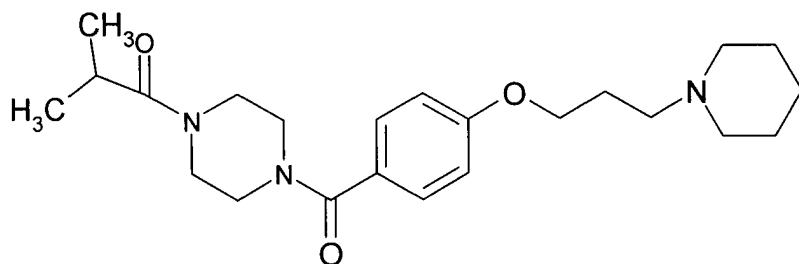
E74

O=C(c1ccc(Cl)cc1)N2C3CC4C(C2)CC(C3)N(C4)C(=O)c5ccc(OCCCN6CCCCC6)cc5N#Cc1ccc(cc1)C(=O)N2[C@H]3CC[C@@H]2C[C@H]3C(=O)N(C(=O)c4ccc(OCCCN5CCCCC5)cc4)C2O=C1N2C3C4C1N(C(=O)c5ccc(OCCN6CCCCC6)cc5)C2C(C4)C3

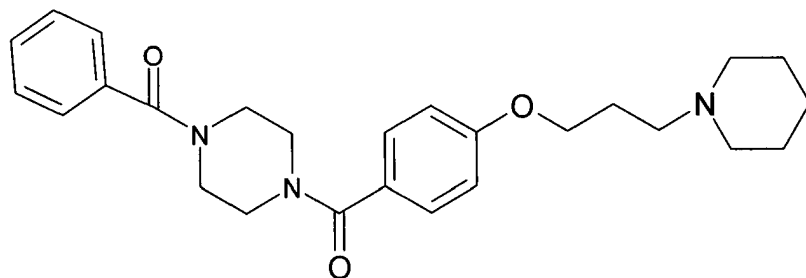
E81



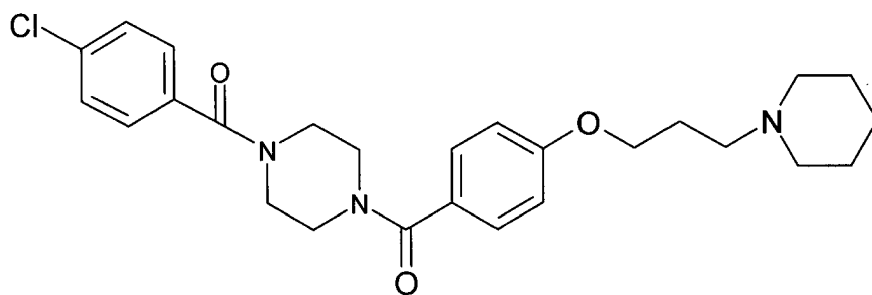
E82



E83

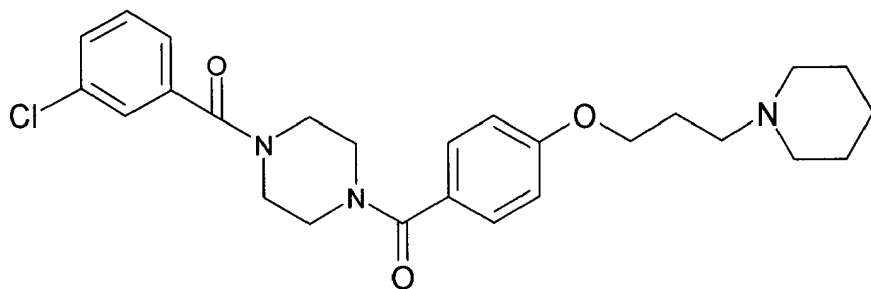


E84

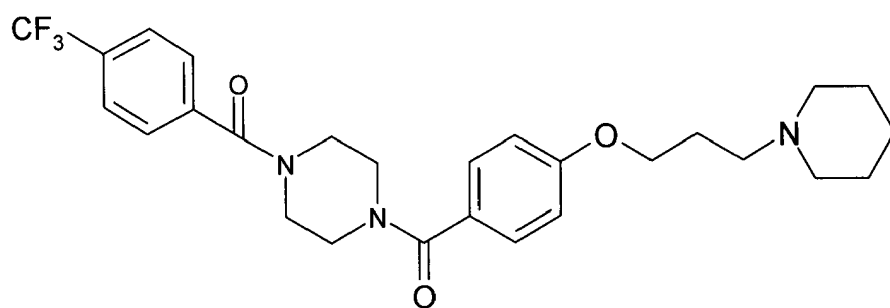




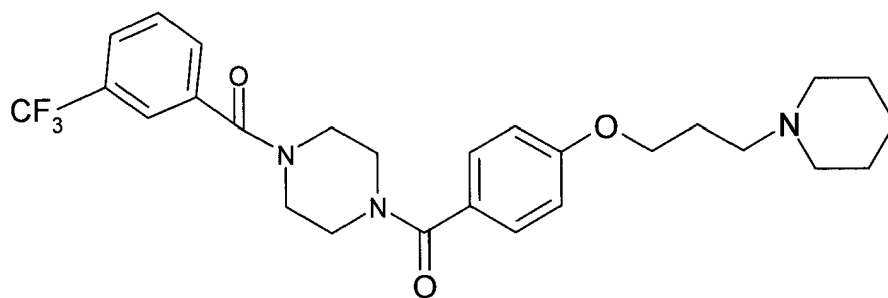
E85



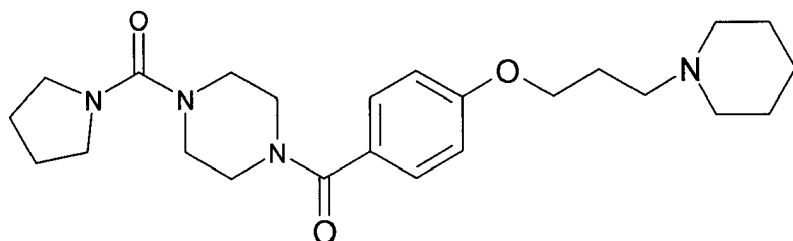
E86



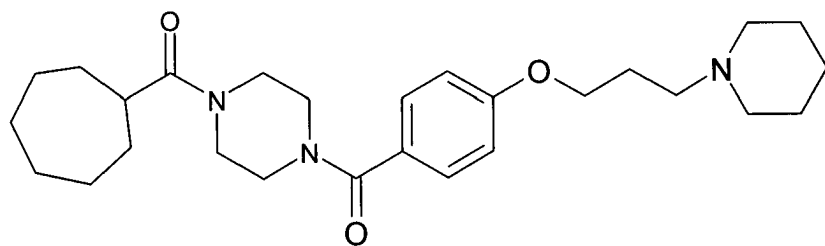
E87



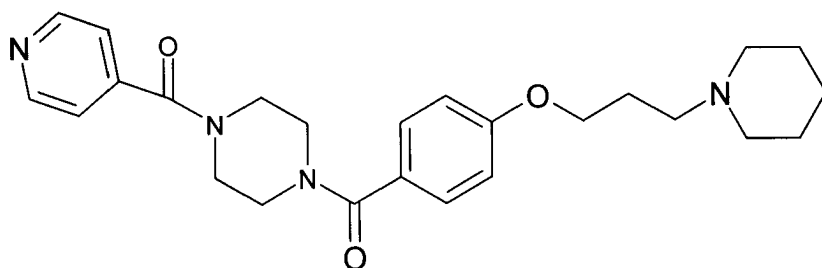
E88



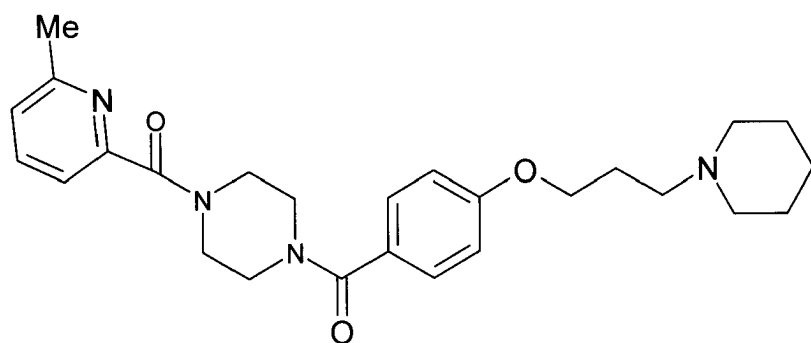
E89



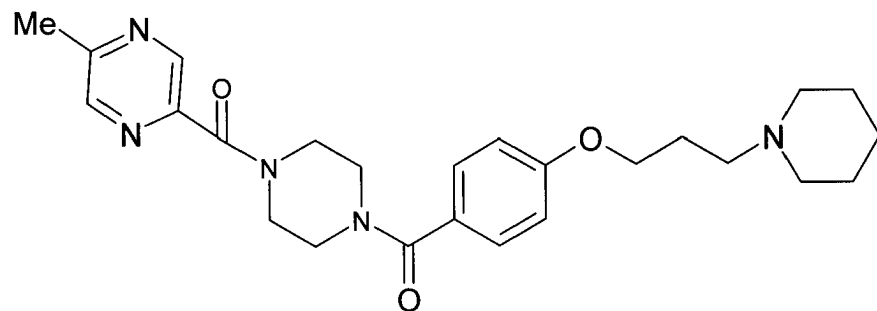
E90



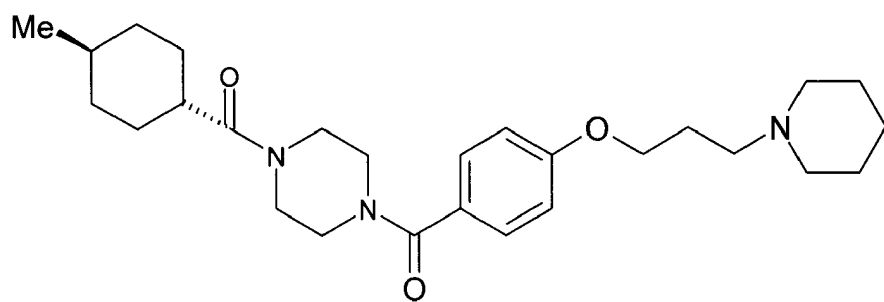
E91



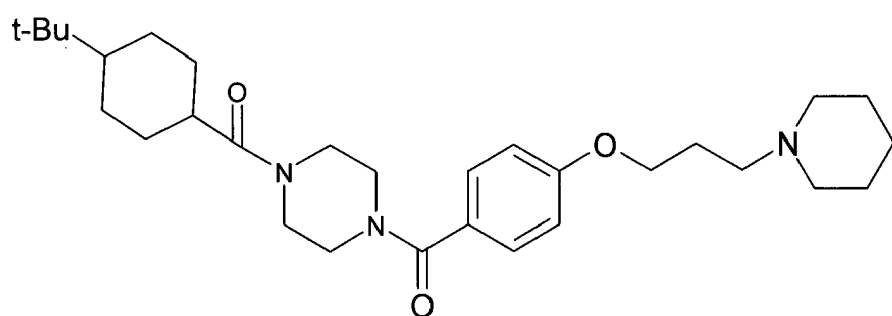
E92



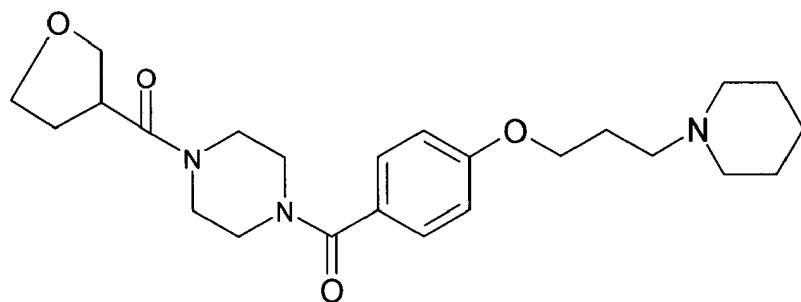
E93



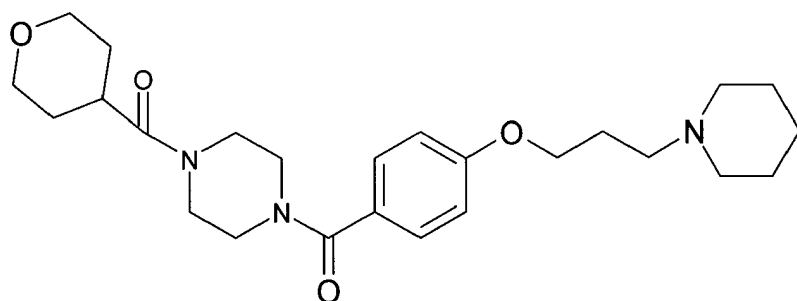
E94



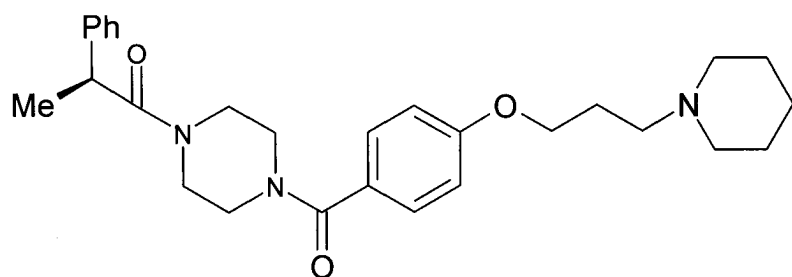
E95



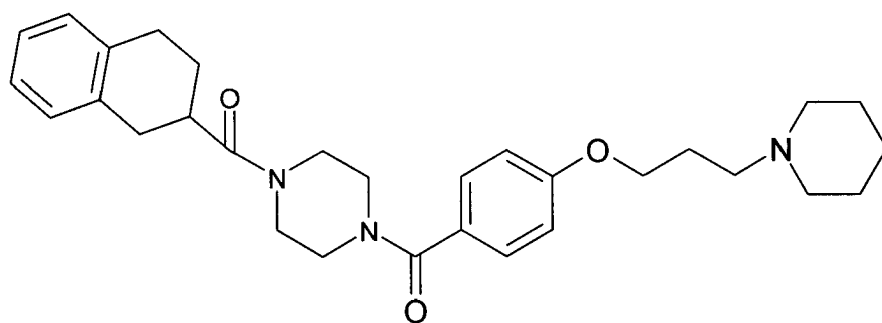
E96



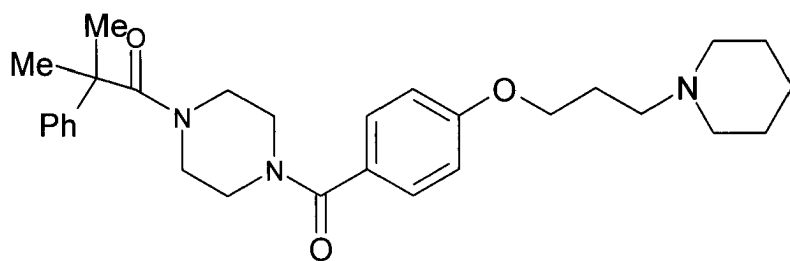
E97



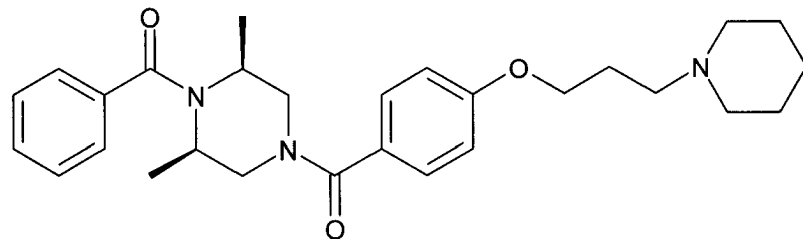
E98



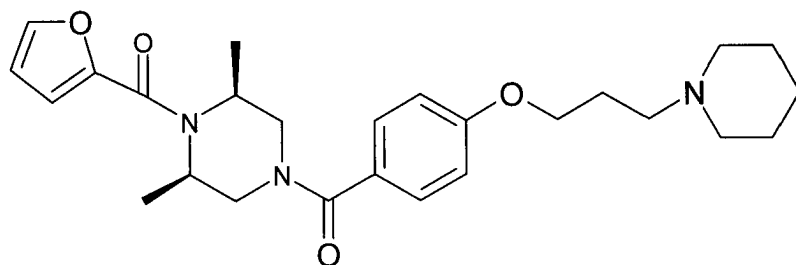
E99



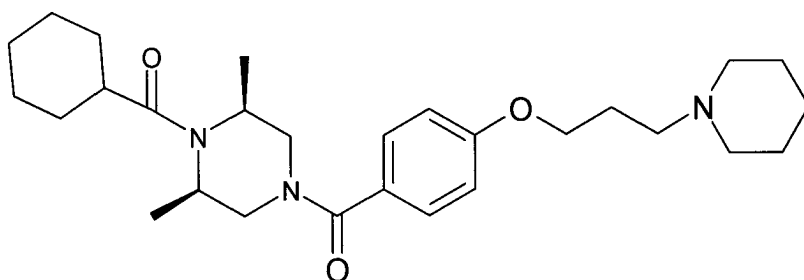
E100



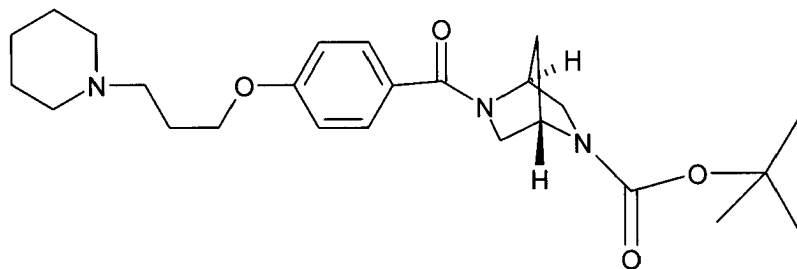
E101



E102



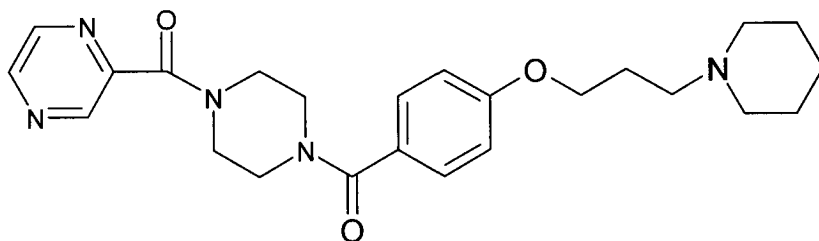
E103



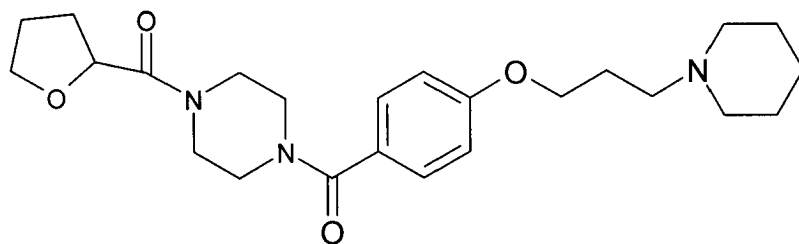
E104

(1S,4S)-2-[4-(3-Piperidin-1-yl)propoxy]benzoyl]-2,5-diaza-bicyclo[2.2.1]heptane dihydrochloride

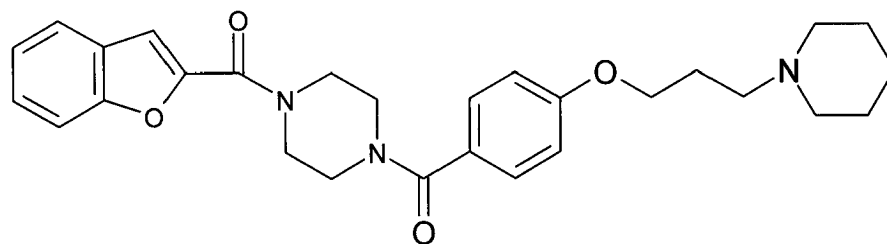
E105



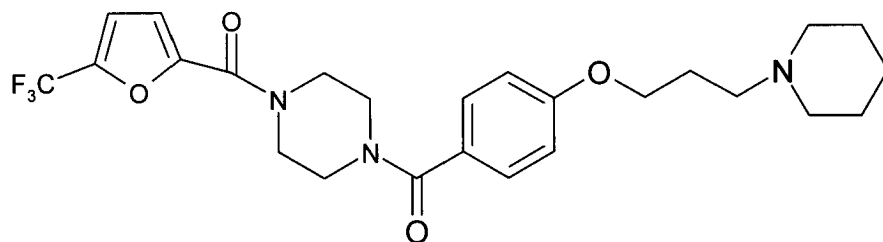
E106



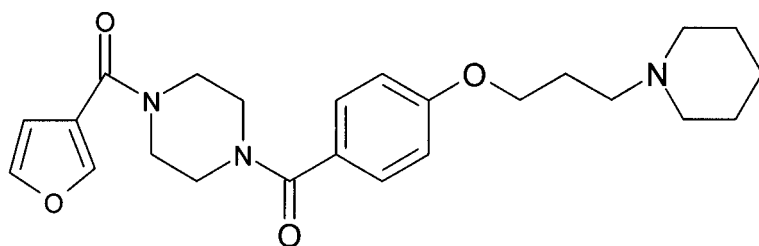
E107



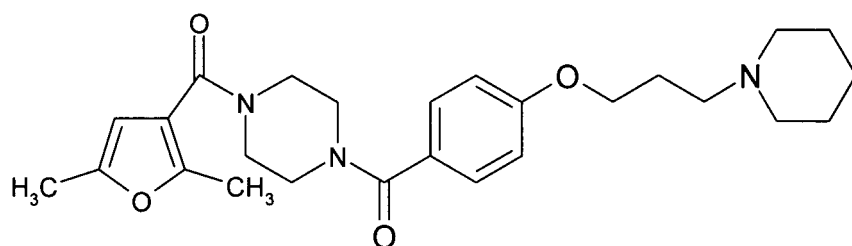
E108



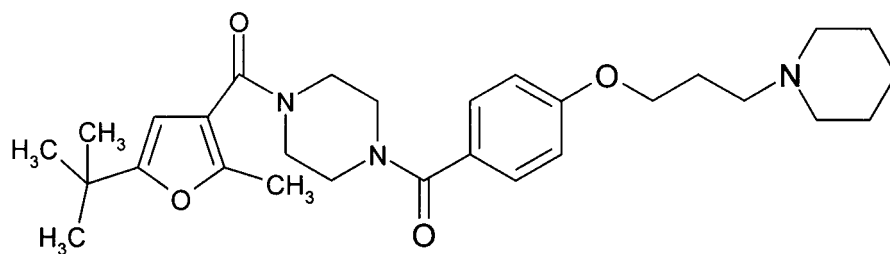
E109



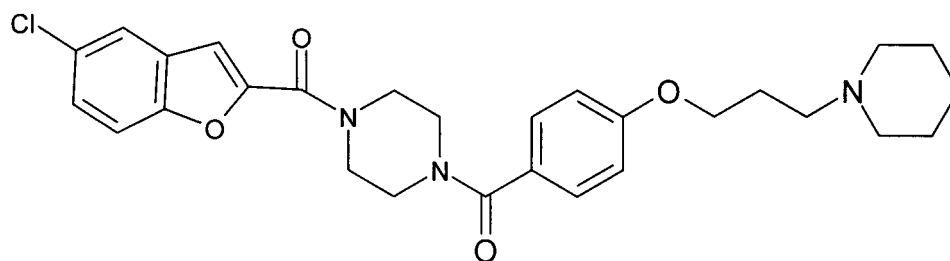
E110



E111



E112

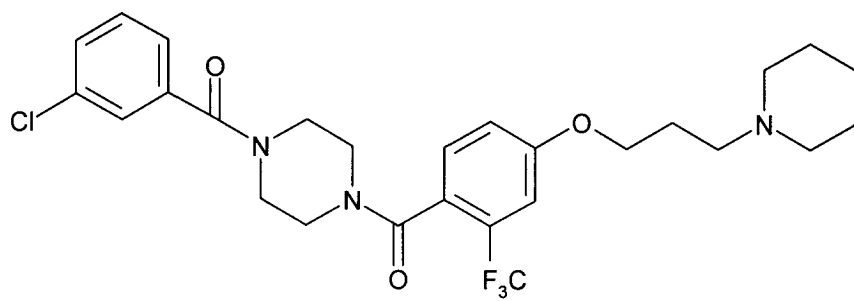




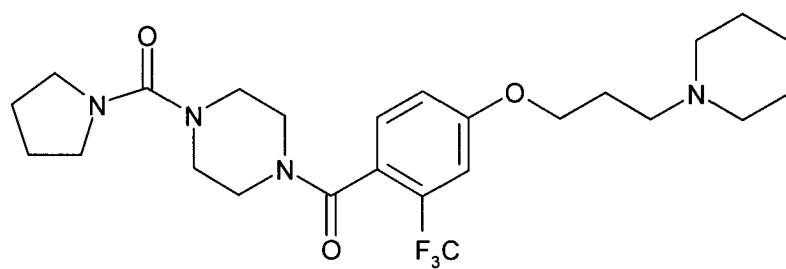


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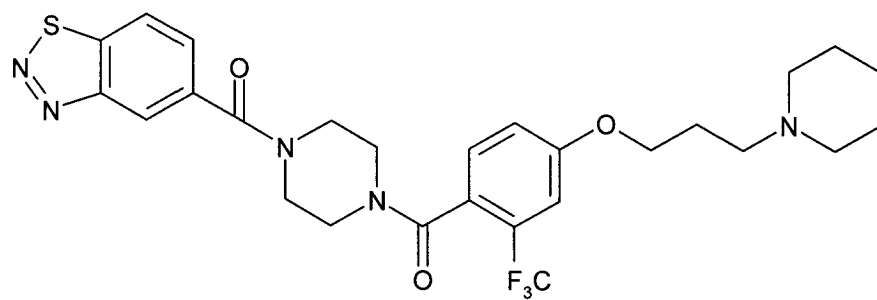
E117



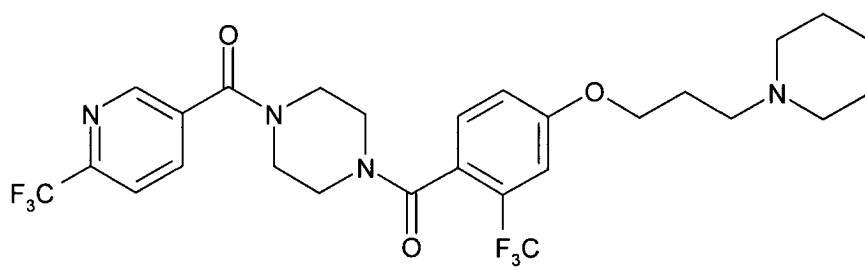
E118



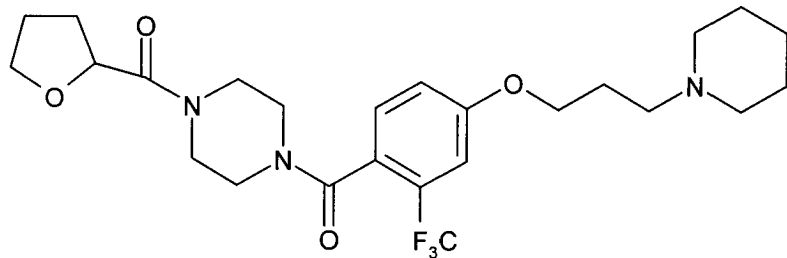
E119



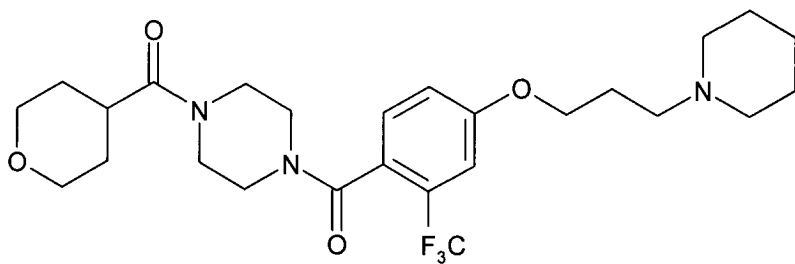
E120



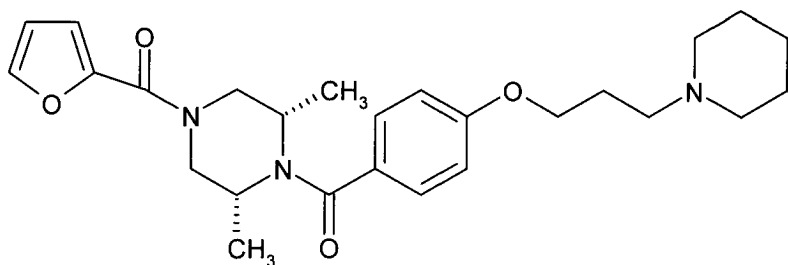
E121



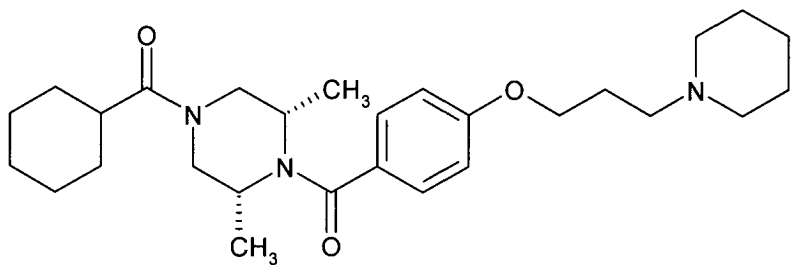
E122



E123



E124



or a pharmaceutically acceptable salt thereof.

3. (Currently Amended) A pharmaceutical composition which comprises the compound of ~~formula (I) as defined in claim 1~~ or a pharmaceutically acceptable salt thereof and a pharmaceutically acceptable carrier or excipient.

4.-6. (Cancelled)

7. (Currently Amended) A method of treatment of ~~neurological diseases~~ Alzheimer's disease which comprises administering to a host in need thereof an effective amount of a compound ~~of formula (I) as defined in claim 1~~ or a pharmaceutically acceptable salt thereof.

8. (Cancelled).